

SAFETY DATA SHEET

Glow In the Dark Aerosol

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME Glow In the Dark Aerosol
PRODUCT NO. AE0010006
APPLICATION Intended for use as a spray, applied coating
SUPPLIER Rust-Oleum Corporation
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2 HAZARDS IDENTIFICATION

CLASSIFICATION (1999/45) Xi;R36. F+;R12. R52/53, R66, R67.

CLASSIFICATION (EC 1272/2008)

Physical and Chemical Hazards	Flam. Aerosol 1 - H222
Human health	EUH066;Eye Irrit. 2 - H319;STOT Single 3 - H336
Environment	Aquatic Chronic 3 - H412

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008



SIGNAL WORD Danger

HAZARD STATEMENTS

H222	Extremely flammable aerosol.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211	Do not spray on an open flame or other ignition source.
P271	Use only outdoors or in a well-ventilated area.
P251	Pressurized container: Do not pierce or burn, even after use.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313	Get medical advice/attention.
P410+412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

SUPPLEMENTARY PRECAUTIONARY STATEMENTS

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P337	If eye irritation persists:
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to ...

Glow In the Dark Aerosol

Supplemental Label Information (EU)

EUH066

Repeated exposure may cause skin dryness or cracking.

ENVIRONMENT

The product is not expected to be hazardous to the environment.

PHYSICAL AND CHEMICAL HAZARDS

The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures.

HUMAN HEALTH

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Risk of serious damage to eyes. Vapours/aerosol spray may irritate the respiratory system. Repeated exposure may cause skin dryness or cracking.

3 COMPOSITION/INFORMATION ON INGREDIENTS

ACETONE		10-25%
CAS-No.: 67-64-1		EC No.: 200-662-2
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 2 - H225	F;R11	
EUH066	Xi;R36	
Eye Irrit. 2 - H319	R66	
STOT Single 3 - H336	R67	
XYLENE		10-25%
CAS-No.: 1330-20-7		EC No.: 215-535-7
		Registration Number: 01-2119486136-32-xxxx
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 3 - H226	R10	
Acute Tox. 4 - H312	Xn;R20/21	
Acute Tox. 4 - H332	Xi;R38	
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
STOT Single 3 - H335		
STOT Rep. 2 - H373		
Asp. Tox. 1 - H304		
BUTYL ACETATE -norm		2.5-5.0%
CAS-No.: 123-86-4		EC No.: 204-658-1
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 3 - H226	R10	
EUH066	R66	
STOT Single 3 - H336	R67	
Hydrocarbons, C9, Aromatics		2.5-5.0%
CAS-No.: 64742-95-6		EC No.: 918-668-5
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 3 - H226	Xn;R65.	
EUH066	Xi;R37.	
STOT Single 3 - H335, H336	N;R51/53.	
Asp. Tox. 1 - H304	R10,R66,R67.	
Aquatic Chronic 2 - H411		
Naptha (Petroleum) Hydrodesulphurized Heavy		1.0-2.5%
CAS-No.: 64742-82-1		EC No.: 265-185-4
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 3 - H226	Xn;R65.	
EUH066	N;R51/53.	
STOT Single 3 - H336	R10,R66,R67.	
Asp. Tox. 1 - H304		
Aquatic Chronic 2 - H411		

Glow In the Dark Aerosol

ETHYLBENZENE		< 1%
CAS-No.: 100-41-4	EC No.: 202-849-4	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 4 - H332	Classification (67/548/EEC) F;R11 Xn;R20	

ISO-BUTANOL		< 1%
CAS-No.: 78-83-1	EC No.: 201-148-0	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT Single 3 - H335 STOT Single 3 - H336	Classification (67/548/EEC) R10 Xi;R37/38,R41 R67	

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

4 FIRST-AID MEASURES**GENERAL INFORMATION**

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

INHALATION

Place unconscious person on the side in the recovery position and ensure breathing can take place. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

INGESTION

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

SKIN CONTACT

Use appropriate hand lotion to prevent defatting and cracking of skin. Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

5 FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES

Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS

Aerosol cans may explode in a fire. If heated, volume and pressure increases strongly, resulting in explosion of container.

SPECIFIC HAZARDS

Aerosol containers can explode when heated, due to excessive pressure build-up.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE

Glow In the Dark Aerosol

USAGE PRECAUTIONS

Static electricity and formation of sparks must be prevented. Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Vapours are heavier than air and may spread near ground to sources of ignition.

STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Avoid contact with oxidising agents.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ACETONE	WEL	500 ppm	1210 mg/m3	1500 ppm	3620 mg/m3	
BUTYL ACETATE -norm	WEL	150 ppm	724 mg/m3	200 ppm	966 mg/m3	
ETHYLBENZENE	WEL	100 ppm(Sk)	441 mg/m3(Sk)	125 ppm(Sk)	552 mg/m3(Sk)	
ISO-BUTANOL	WEL	50 ppm	154 mg/m3	75 ppm	231 mg/m3	
Naptha (Petroleum) Hydrodesulphurized Heavy	WEL		600 mg/m3			
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.

RESPIRATORY EQUIPMENT

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Wear mask supplied with: Gas cartridge suitable for organic substances.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Aerosol.
COLOUR	Milky. Green.
ODOUR	Characteristic.
SOLUBILITY	Slightly soluble in water.
RELATIVE DENSITY	0.72 Approx. @20°C.
VAPOUR DENSITY (air=1)	Heavier than air
CRITICAL TEMPERATURE (°C)	97-152°C.
FLASH POINT (°C)	-70°C. CC (Closed cup).
AUTO IGNITION TEMPERATURE (°C)	405°C.
FLAMMABILITY LIMIT - LOWER(%)	3.0
FLAMMABILITY LIMIT - UPPER(%)	18.0

Glow In the Dark Aerosol

VOLATILE ORGANIC COMPOUND (VOC) 650 g/litre

10 STABILITY AND REACTIVITY

STABILITY

No particular stability concerns.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

INHALATION

In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

INGESTION

Gastrointestinal symptoms, including upset stomach.

SKIN CONTACT

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Irritating to skin.

EYE CONTACT

Irritation of eyes and mucous membranes.

Name	XYLENE
Toxic Dose 1 - LD 50	3523 mg/kg (oral rat)
Toxic Conc. - LC 50	6191 mg/l/4h (inh-rat)

Other Health Effects

May cause skin and eye irritation.

Name	ETHYLBENZENE
Toxic Dose 1 - LD 50	3500 mg/kg (oral rat)
Toxic Conc. - LC 50	17.2 - 35.7 mg/l/4h (inh-rat)

Name	ISO-BUTANOL
Toxic Dose 1 - LD 50	2460 mg/kg (oral rat)

Other Health Effects

Toxic through skin absorption. Swallowing may cause severe internal injury, unconsciousness or death. May cause skin/eye irritation and burns (corrosive).

Name	ACETONE
Toxic Dose 1 - LD 50	5800 mg/kg (oral rat)

Name	BUTYL ACETATE -norm
Toxic Dose 1 - LD 50	10768 mg/kg (oral rat)
Toxic Dose 2 - LD 50	3200 mg/kg (oral-rbt)
Toxic Conc. - LC 50	390 ppm/4h (inh-rat)

Name	Naptha (Petroleum) Hydrodesulphurized Heavy
Toxic Dose 1 - LD 50	>5000 mg/kg (oral rat)

Name	Hydrocarbons, C9, Aromatics
Toxic Dose 1 - LD 50	3592 mg/kg (oral rat)
Toxic Dose 2 - LD 50	3160 mg/kg (oral-rbt)
Toxic Conc. - LC 50	6.193 mg/l/4h (inh-rat)

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product is not expected to be hazardous to the environment.

Glow In the Dark Aerosol

Name XYLENE

Partition Coefficient 3.2

Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. The product must not be allowed to enter drains or water courses.

IC 50, 72 Hrs, Algae, mg/l 2.2

Mobility

Water: Insoluble, the product will spread over the surface and rapidly evaporate. Soil: The product has only slight mobility in the soil and will partially evaporate.

Bioaccumulative potential

Likely to bio-accumulate, but with short retention of the order of a week or less.

Degradability

The product is readily biodegradable.

Name ETHYLBENZENE

Ecotoxicity

Toxic to aquatic organisms.

LC 50, 96 Hrs, Fish mg/l 4.2 - 14

EC 50, 48 Hrs, Daphnia, mg/l 2.1 - 2.9

IC 50, 72 Hrs, Algae, mg/l 4.6

Degradability

The product is moderately biodegradable.

Name ISO-BUTANOL

LC 50, 96 Hrs, Fish mg/l 100-1430

Mobility

No specific test data available.

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Degradability

Readily biodegradeable. Presence in surface waters may present a hazard in terms of Oxygen depletion.

Name ACETONE

LC 50, 96 Hrs, Fish mg/l 8300

EC 50, 48 Hrs, Daphnia, mg/l 10

Mobility

The product is soluble in water.

Bioaccumulative potential

The product is not bioaccumulating.

Degradability

The product is readily biodegradable.

Name BUTYL ACETATE -norm

Ecotoxicity

There are no data on the ecotoxicity of this product.

LC 50, 96 Hrs, Fish mg/l 18 - 100

Degradability

The product is readily biodegradable.

Name Naptha (Petroleum) Hydrodesulphurized Heavy

LC 50, 96 Hrs, Fish mg/l 10

Mobility

Water: Insoluble, the product will spread over the surface and rapidly evaporate. Soil: The product has only slight mobility in the soil and will partially evaporate.

Bioaccumulative potential

Likely to bio-accumulate, but with short retention of the order of a week or less.

Degradability

The product is readily biodegradable.

Name Hydrocarbons, C9, Aromatics

Ecotoxicity

Expected to be toxic to aquatic organisms.

LC 50, 96 Hrs, Fish mg/l 9.2

EC 50, 48 Hrs, Daphnia, mg/l 3.2

IC 50, 72 Hrs, Algae, mg/l 2.9

Mobility

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

Glow In the Dark Aerosol

Bioaccumulative potential
No data available on bioaccumulation.
Degradability
The product is expected to be biodegradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point.

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	AEROSOLS
ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT	No.
UN NO. ROAD	1950
ADR CLASS NO.	2
ADR CLASS	Class 2: Gases
ADR PACK GROUP	N/A
TUNNEL RESTRICTION CODE	(D)
ADR LABEL NO.	2.1
UN NO. SEA	1950
IMDG CLASS	2.1
IMDG PACK GR.	N/A
EMS	F-D, S-U
UN NO. AIR	1950
AIR CLASS	2.1
AIR PACK GR.	N/A

15 REGULATORY INFORMATION

UK REGULATORY REFERENCES

Fire precautions Act 1971.

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40) The Aerosol Dispensers (EEC Requirements)(Amendment) Regulations 1996 (S.I 1996 No. 2421).

16 OTHER INFORMATION

INFORMATION SOURCES

Croner's Emergency Spillage Guide Croner's Emergency First Aid Guide Croner's Substances Hazardous to Health

ISSUED BY

I McCormack

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Glow In the Dark Aerosol

SAFETY DATA SHEET STATUS

Approved.

DATE 22/10/2012

RISK PHRASES IN FULL

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R20	Harmful by inhalation.
R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable
R36	Irritating to eyes.
R37/38	Irritating to respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

HAZARD STATEMENTS IN FULL

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H312	Harmful in contact with skin.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs <<Organs>> through prolonged or repeated exposure if inhaled.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
H411	Toxic to aquatic life with long lasting effects.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.